Notice of Allowability	Application No.	Applicant(s)	
	10/534,979	KATO ET AL.	
	Examiner	Art Unit	
	Mary K. Zeman	1631	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the interview of 9/24/07*.

2. ☒ The allowed claim(s) is/are *1,9-11,13-16,18-21 and 23-26*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *9/18* .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/18/07 has been entered.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark Thronson on 9/21/07 and 9/24/07.

The application has been amended as follows:

1. A computer-implemented method for processing information on a nucleotide sequence comprising the steps of:

transmitting, under control of a first processor, request information on a provision of an object or service for an individual to a second processor via a communication network;

receiving from the second processor, via the communication network, positional information representing a position in a nucleotide sequence corresponding to the request information transmitted in the above transmitting step, wherein the first processor is permitted to access a first memory area storing positional information and nucleotide sequence-related information regarding the individual;

accessing, under the control of the first processor, a second memory area storing flag information corresponding to positional information, the second memory area being separate from or part of the first memory area;

searching the second memory area for flag information corresponding to positional information that is received in the receiving step, and retrieving the flag information;

determining, based on the retrieved flag information, whether or not nucleotide sequence-related information corresponding to the positional information received in the receiving step should be transmitted to the second processor and

if said nucleotide sequence-related information is determined to be transmitted,

retrieving said nucleotide sequence-related information from the first memory area; and
outputting the retrieved nucleotide sequence-related information to the second processor,
or, if said nucleotide sequence-related information is determined not to be transmitted in the determining step, the method further comprises
the steps of:
canceling the processing; or
outputting a notification of refusal to transmit said nucleotide sequence-related information to the second processor

wherein the above steps are conducted under the control of the first processor.

Claim 12 has been canceled.

13. An apparatus for processing information on a nucleotide sequence comprising:
a transmitter/receiver for transmitting request information on a provision of an object or service for an individual to a second processor via a communication network, and receiving from the second processor, via the communication network, positional information representing a position in a nucleotide sequence corresponding to the request information transmitted, wherein the apparatus is permitted to access a first memory area storing positional information and nucleotide sequence-related information regarding the individual; and
a controller for accessing a second memory area storing flag information corresponding to positional information, the second memory area being separate from or part of the first memory area, and for searching the second memory area for flag information corresponding to the positional information that is received by the transmitter/receiver, and for retrieving the flag information and for determining, based on the retrieved flag information, whether or not nucleotide sequence-related information corresponding to the positional information received by the transmitter/receiver should be transmitted to the second processor, wherein, if the controller determines said nucleotide sequence-related information to be transmitted, the controller retrieves said nucleotide sequence-related information from the first memory area, and outputs the retrieved nucleotide sequence-related information to the second processor, or if the controller determines said nucleotide sequence-related information not to be transmitted, the controller cancels the processing, or outputs a notification of refusal to transmit said nucleotide sequence-related information to the second processor .

Claim 17 has been canceled.

18. A recording medium having a program for processing information on a nucleotide sequence recorded thereon which allows a computer to execute a method comprising the steps of:
transmitting, under control of a first processor, request information on a provision of an object or service for an individual to a second processor via a communication network;
receiving from the second processor, via the communication network, positional information representing a position in a nucleotide sequence corresponding to the request

information transmitted in the above transmitting step, wherein the first processor is permitted to access a first memory area storing positional information and nucleotide sequence-related information regarding the individual;

accessing, under the control of the first processor, a second memory area storing flag information corresponding to positional information, the second memory area being separate from or part of the first memory area;

searching the second memory area for flag information corresponding to the positional information that is received in the receiving step, and retrieving the flag information;

determining, based on the retrieved flag information, whether or not nucleotide sequence-related information corresponding to the positional information received in the receiving step should be transmitted to the second processor; and

if said nucleotide sequence-related information is determined to be transmitted,

retrieving said nucleotide sequence-related information from the first memory area; and

outputting the retrieved nucleotide sequence-related information to the second processor,

or, if said nucleotide sequence-related information is determined not to be transmitted in the determining step, the method further comprises the steps of:

canceling the processing; or

outputting a notification of refusal to transmit said nucleotide sequence-related information to the second processor

wherein the above steps are conducted under the control of the first processor.

Claim 22 is canceled.

23. A computer program for processing information on a nucleotide sequence recorded thereon which allows a computer to execute a method comprising the steps of:

transmitting, under control of a first processor, request information on a provision of an object or service for an individual to a second processor via a communication network;

receiving from the second processor, via the communication network, positional information representing a position in a nucleotide sequence corresponding to the request information transmitted in the above transmitting step, wherein the first processor is permitted to access a first memory area storing positional information and nucleotide sequence-related information regarding the individual;

accessing, under the control of the first processor, a second memory area storing flag information corresponding to positional information, the second memory area being separate from or part of the first memory area;

searching the second memory area for flag information corresponding to the positional information that is received in the receiving step, and retrieving the flag information;

determining, based on the retrieved flag information, whether or not nucleotide sequence-related information corresponding to the positional information received in the receiving step should be transmitted to the second processor; and

if said nucleotide sequence-related information is determined to be transmitted,

retrieving said nucleotide sequence-related information from the first memory area; and

outputting the retrieved nucleotide sequence-related information to the second processor,

or, if said nucleotide sequence-related information is determined not to be transmitted in the determining step, the method further comprises the steps of:

canceling the processing; or

outputting a notification of refusal to transmit said nucleotide sequence-related information to the second processor

wherein the above steps are conducted under the control of the first processor.

Claim 27 is canceled.

Claims 1, 9-11, 13-16, 18-21 and 23-26 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary K Zeman whose telephone number is (571) 272 0723

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjie Moran can be reached on (571) 272 0720. The fax phone number for the organization where this application or proceeding is assigned is 571 273 8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

MARY K. ZEMAN
PRIMARY EXAMINER
9/24/07